

**Abstract****Fiber-reinforced ceramic composites**

5 A ceramic brake lining which is reinforced with carbon  
fibers and has a matrix which consists essentially of  
silicon carbide together with silicon and/or carbon,  
wherein the reinforcing fibers used are long fibers having  
a mean length of at least 10 mm which are aligned in the  
plane parallel to the friction surface, a process for its  
10 production and its use in combination with brake discs  
made of C/SiC or CFC or as lining in friction clutches.